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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/035,190 | 01/04/2002 | Jun-Sei Lee | 2669-0118P | 2101 |

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EXAMINER

WILLIAMS, JOSEPH L

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| ART UNIT | PAPER NUMBER |
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2879

DATE MAILED: 09/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/035,190

Applicant(s)

LEE, JUN-SEI

Examiner

Joseph L. Williams

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because on page 6, the last line, "protective layer 3" should read "protective layer 4". Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 1, it is not clear what is meant by the electrodes being "formed outside of the display panel". The specification of the instant application only repeats that phrase and provides no additional guidance to its meaning. The specification of the instant application teaches forming the electrodes after the glass has been cut, and thus that is how the Examiner has interpreted the claims for the purpose of this Office Action.

Regarding claim 2 recites the limitation "said front and back plates" in line 1 of the claim. There is no antecedent basis for this limitation in the claim.

Regarding claim 4, it is not clear what is meant by the electrodes being "formed outside of the glass plate". The specification of the instant application only repeats that

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phrase and provides no additional guidance to its meaning. The specification of the instant application teaches forming the electrodes after the glass has been cut, and thus that is how the Examiner has interpreted the claims for the purpose of this Office Action.

Due to their dependency, claims 3 and 5 are necessarily included in this rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ota et al. (JP 0916183 A).

Regarding claim 1, Ota ('183) teaches in figures 1 and 5a an AC driven plasma display panel for electrical commercial boards fabrication method wherein transparent electrodes (4) and metal electrodes (13) are formed outside of the display panel and a groove (11a) is cut on the opposite side of glass plate in parallel with each electrode to form a discharge cell by overlapping the groove.

The limitation "in order to replace separation walls, transparent dielectric bodies and white dielectric bodies" is an intended use statement and is thus not afforded patentable weight.

Regarding claim 2, Ota ('183) teaches front and rear face glass plates maintain a single body intersecting structure.

The limitation "which prevents the bending of the glass plate by the atmospheric pressure" is an intended use limitation and is thus not afforded patentable weight.

Regarding claim 3, Ota ('183) teaches cutting the glass plate to make the discharge cell comparatively larger through reduction of the thickness of the glass plate.

The limitation "in order to be able to operate at a lower driving voltage" is an intended use statement and is thus not afforded patentable weight.

Regarding claim 4, Ota ('183) teaches forming said transparent electrodes and metal electrodes outside of the glass plate.

The limitation "in order to avoid the protrusion of said electrodes outside the sealant" is an intended use statement and is thus not afforded patentable weight.

Regarding claim 5, the limitation of an "AC driven plasma display panel is used for building top commercial towers and public display boards such as an outdoor commercial tower, train time table display, bank terminal and Neon sign board" is an intended use statement and is thus not afforded patentable weight.


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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (703) 305-1670. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.


Joseph Williams

Examiner
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